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REPORT NO. 6

JAN 21 '76

PROCUREMENT SECTION
CURRENT SERIAL RECORDS

Cotton Fiber and Processing Test Results

CROP of

1975



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 November 7, 1975

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.^{1/} These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

^{1/} Summary of Cotton Fiber and Processing Test Results, Crop of 1974, USDA, AMS, Cotton Division, May 1975.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1975

Discussion of Test Results

The average fiber length of short staple cottons tested from the Southwest is considerably longer and more uniform than a year ago according to the Cotton Division, Agricultural Marketing Service, USDA. Cottons are coarser and stronger than a year earlier. Shirley Analyzer nonlint content and picker and card waste are lower. Yarns spun from these samples show stronger yarn skein strength and higher appearance grades. Yarn imperfections are fewer this year. The average spinning potential yarn number is higher.

The U. S. average of medium staple samples tested through October 31 is slightly longer than the average of samples tested through this period a year ago. Picker and card waste is lower than last season. Yarns spun from these samples on the average show slightly lower appearance grades and higher yarn imperfections. Average spinning potential is lower than last season.

Southeast medium staple samples are finer and slightly weaker than a year ago. Yarns spun from these samples have lower appearance grades and more yarn imperfections than last season. The average spinning potential number is lower.

Medium staple samples tested from the South Central area show fiber length to be longer and more uniform than a year ago. Cottons are coarser than last season. Picker and card waste is lower. Yarns spun from these samples show lower appearance grades and a higher number of yarn imperfections. Average spinning potential yarn number is lower.

Medium staple samples tested to date from the Southwest show fiber strength to be weaker at zero gage strength tests. Picker and card waste is lower than a year ago. Yarns spun from these samples show higher yarn appearance grades. Yarn imperfections are higher than last season.

Medium staple samples tested from the West show cottons to be finer and considerably stronger than last season at this time. Picker and card waste is lower than a year ago. Yarns spun from these samples show stronger yarn skein strength and considerably lower appearance grades. Yarn imperfections are much higher this season. The average spinning potential yarn number is higher than a year ago.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through October 31, 1975 1/

| Staple group Area, and Crop year | Lots tested | Fiber test results | | | | | | | Processing test results | | | | |
|---|----------------|--------------------|-----------------|-----------------------|----------------|------|----------------|----------------|-------------------------|-------|---------------|------------------|-----------------|
| | | Fibrograph | | Mike fine- ness | Fiber strength | | S A nonlint | P & C waste | Yarn quality | | | Spin. Potent. | |
| | | 2.5% span | 50/2.5 unif. | | Pct. | Rdg. | | | Mpsi | G/tex | Skein str. | | Appear- ance |
| | | | | Inches | | | Pct. | Pct. | | | | Lbs. | |
| 22s Carded Yarn | | | | | | | | | | | | | |
| Short Staple: Southwest 1974 1975 | 9 | .96 | 44 | 4.0 | 88 | 21 | 3.5 | 6.7 | 90 | 104 | 17 | 41 | |
| | 12 | 1.01 | 46 | 4.4 | 89 | 22 | 3.0 | 5.7 | 104 | 116 | 11 | 46 | |
| Medium Staple: Southeast 1974 1975 | 13 | 1.09 | 45 | 4.5 | 82 | 23 | 3.1 | 5.8 | 99 | 111 | 17 | 63 | |
| | 3 | 1.09 | 45 | 4.3 | 81 | 22 | 3.4 | 5.5 | 100 | 100 | 25 | 56 | |
| South Central 1974 1975 | 34 | 1.08 | 44 | 4.3 | 86 | 23 | 3.0 | 6.0 | 102 | 109 | 16 | 64 | |
| | 32 | 1.10 | 46 | 4.6 | 86 | 23 | 3.0 | 5.1 | 101 | 100 | 20 | 57 | |
| Southwest 1974 1975 | 29 | 1.07 | 44 | 4.3 | 84 | 22 | 2.8 | 5.8 | 101 | 92 | 19 | 60 | |
| | 21 | 1.08 | 45 | 4.3 | 81 | 22 | 2.9 | 4.7 | 103 | 99 | 22 | 58 | |
| West 1974 1975 | 5 | 1.12 | 45 | 4.8 | 87 | 23 | 2.1 | 5.4 | 105 | 114 | 13 | 67 | |
| | 5 | 1.12 | 46 | 4.0 | 95 | 28 | 2.0 | 4.1 | 129 | 84 | 31 | 73 | |
| U.S. Average 1974 1975 | 81 | 1.08 | 45 | 4.4 | 85 | 23 | 2.9 | 5.9 | 101 | 103 | 17 | 63 | |
| | 61 | 1.10 | 45 | 4.4 | 85 | 23 | 2.9 | 4.9 | 104 | 98 | 22 | 59 | |
| Significant dif- ference 2/ | | 0.02 | 2 | 0.2 | 2 | 1 | 0.5 | 0.5 | 4(22s) | 5 | 2 | 3 | |

1/ Based on a limited number of samples of modal quality
2/ Minimum differences considered to be significant for comparisons in this table.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States
through October 31, 1975

1/ (Continued)

| Staple group, Area, and Crop year | Lots | Fiber Test Results | | | | | | Processing Test Results | | | | | | | | | |
|---|------|--------------------|------|------|----------|--------------|--------------------|-------------------------|-----------------|--------------------|----------------------|-------------------|------|-----|-----|----|--|
| | | Length | | Mike | Strength | | SA Non- lint | P&C Waste | Comber Waste | Yarn Quality | | | | | SPY | | |
| | | Span | Unif | | Zero | 1/8" gage | | | | Strength carded | Appearance combed | Imprfctns card | comb | | | | |
| | | | | | | | | | | | | | | | | | |
| No. | | In. | Pct. | Rdg. | Mpsi | G/tx | Pct. | Pct. | Pct. | Lbs. | Lbs. | Indx | Indx | No. | No. | | |
| 22s Carded & Combed Yarn | | | | | | | | | | | | | | | | | |
| Long Staple: Southeast | 4 | 1.16 | 44 | 4.3 | 82 | 22 | 3.4 | 8.1 | 17.9 | 105 | 122 | 108 | 115 | 16 | 8 | 63 | |
| | 1 | 1.15 | 45 | 4.1 | 83 | 24 | 2.9 | 7.7 | 15.5 | 106 | 125 | 120 | 120 | 14 | 8 | 71 | |
| | 2 | 1.16 | 45 | 4.4 | 86 | 24 | 3.2 | 8.2 | 18.6 | 103 | 122 | 100 | 120 | 20 | 8 | 63 | |
| | 1 | 1.15 | 43 | 4.1 | 90 | 25 | 3.6 | 8.0 | 17.7 | 119 | 133 | 120 | 130 | 12 | 6 | 74 | |
| South Central | 2 | 1.16 | 45 | 4.4 | 86 | 24 | 3.2 | 8.2 | 18.6 | 103 | 122 | 100 | 120 | 20 | 8 | 63 | |
| | 1 | 1.15 | 43 | 4.1 | 90 | 25 | 3.6 | 8.0 | 17.7 | 119 | 133 | 120 | 130 | 12 | 6 | 74 | |
| | 2 | 1.16 | 45 | 4.4 | 86 | 24 | 3.2 | 8.2 | 18.6 | 103 | 122 | 100 | 120 | 20 | 8 | 63 | |
| | 1 | 1.15 | 43 | 4.1 | 90 | 25 | 3.6 | 8.0 | 17.7 | 119 | 133 | 120 | 130 | 12 | 6 | 74 | |
| Significant Difference 2/ | | 0.02 | 2 | 0.2 | 2 | 1 | 0.5 | 0.5 | 0.5 | 4(22s) | 5 | 5 | 5 | 2 | 2 | 3 | |

4(22s)

4(22s) 2(50s)

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1975

| Production Area, Classification & Sample Number | | | | Fiber Test Results | | | | | | | | | | Processing Test Results - Carded Yarns | | | | | | | | | | | |
|---|-------------|-------|------|--------------------|------|------|----------------|-----------|-----------------|---------------|-------|-----------------|-----|--|----------|-------------|-------------|-------------|------------------|-------------|-------------|-------------|------------------|-------------|--|
| Grade | | Stple | 32s | Digital Fibrograph | | Mike | Fiber Strength | | Elon-gat'n 1/8" | S.A. Non-lint | | Color Raw Stock | | P & C Waste | Strength | | Elongation | | Appearance Index | | Imprfect'ns | | Spin. Potent-ial | | |
| | | | | 2.5% span | Unif | | Zero Gage | 1/8" Gage | | Pct | G/tex | Mpsi | Gra | | Yel | 8s or 74 tx | 22sor 27 tx | 8s or 74 tx | 22s or 27 tx | 8s or 74 tx | 22sor 27 tx | 8s or 74 tx | | 22sor 27 tx | |
| No | Name & Code | | | In | Pct | Rdg | | | | Pct | Pct | No | No | Pct | Lbs | Lbs | Pct | Pct | No | No | No | No | No | | |
| SOUTHWEST AREA | | | | | | | | | | | | | | | | | | | | | | | | | |
| CENTRAL TEXAS | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRANDON | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | SLM LT SP | 42 31 | 0.95 | 46 | | 4.2 | 87 | | LANKART 611 | 2.9 | 2 | 4 | | 6.0 | 314 | 100 | 7.7 | 6.5 | 120 | 120 | 20 | 11 | 41 | | |
| COMMERCE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | MID | 31 32 | 1.01 | 45 | | 4.6 | 91 | | LANKART LX571 | 2.4 | 1 | 4 | | 5.7 | 319 | 102 | 6.7 | 6.0 | 120 | 120 | 22 | 13 | 42 | | |
| 3 | MID | 31 32 | 0.98 | 44 | | 4.7 | 89 | | | 2.0 | 1 | 4 | | 6.1 | 316 | 101 | 6.8 | 5.7 | 120 | 110 | 24 | 15 | 38 | | |
| WACO | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | SLM | 41 33 | 1.06 | 48 | | 5.0 | 94 | | LANKART LX571 | 2.6 | 2 | 4 | | 5.5 | 345 | 113 | 7.1 | 6.4 | 130 | 120 | 13 | 8 | 55 | | |
| WAXAHACHIE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MID LT SP | 32 32 | 1.01 | 45 | | 3.7 | 87 | | LANKART LX571 | 2.7 | 1 | 4 | | 5.3 | 325 | 105 | 7.2 | 6.3 | 130 | 120 | 21 | 13 | 49 | | |
| 2 | MID LT SP | 32 32 | 1.00 | 46 | | 4.4 | 88 | | | 2.9 | 1 | 4 | | 5.1 | 311 | 98 | 7.0 | 5.9 | 130 | 120 | 16 | 9 | 41 | | |

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975

| Production Area, Classification & Sample Number | | | | Fiber Test Results | | | | | | | | | | Processing Test Results - Carded Yarns | | | | | | | | | | | |
|---|-------|-------|-----|--------------------|-------|------|----------------|-----------|------------------|----------------|-----------------|-------|-------------|--|-----|------------|-----|------------------|--------------|--------------|--------------|-------------------|--------------|--------------|----|
| No | Grade | Stple | 32s | Digital Fibrograph | | Mike | Fiber Strength | | Elon- gat'n 1/8" | S.A. Non- Lint | Color Raw Stock | | P & C Waste | Strength | | Elongation | | Appearance Index | | Imprfect'ns | | Spin. Potent- ial | | | |
| | | | | 2.5% span | Unif. | | Zero Gage | 1/8" Gage | | | Mpsi | G/tex | | Pct | Pct | No | No | 22s or 27 tx | 50s or 12 tx | 22s or 27 tx | 50s or 12 tx | | 22s or 27 tx | 50s or 12 tx | No |
| SOUTHEAST AREA | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALABAMA | | | | | | | | | | | | | | | | | | | | | | | | | |
| GREENBRIER | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 34 | 1.04 | 45 | 4.6 | 80 | 21 | 6.6 | 2.5 | 3 | 4 | 4.9 | 95 | 28 | 6.1 | 4.1 | 100 | 80 | 25 | 21 | 51 | | | |
| STONEVILLE 213 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NORTH CAROLINA | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAURINBURG | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 36 | 1.14 | 46 | 4.3 | 83 | 22 | 5.7 | 5.5 | 3 | 3 | 7.7 | 100 | 32 | 5.5 | 3.9 | 100 | 70 | 30 | 20 | 57 | | | |
| MCNAIR 612 | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOUTH CENTRAL AREA | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARKANSAS | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALTHEIMER | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 36 | 1.15 | 46 | 4.7 | 82 | 24 | 7.4 | 3.1 | 1 | 3 | 4.8 | 111 | 38 | 6.0 | 4.6 | 100 | 80 | 18 | 16 | 67 | | | |
| DELTAPINE 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| DUMAS | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.12 | 47 | 5.0 | 83 | 22 | 6.3 | 3.1 | 1 | 3 | 5.0 | 95 | 31 | 5.5 | 3.8 | 100 | 80 | 16 | 11 | 53 | | | |
| STONEVILLE 213 | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUGHES | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.11 | 46 | 4.5 | 90 | 22 | 5.3 | 2.5 | 1 | 3 | 4.8 | 103 | 30 | 5.3 | 3.5 | 100 | 70 | 22 | 16 | 52 | | | |
| STONEVILLE 213 | | | | | | | | | | | | | | | | | | | | | | | | | |
| KEYSER | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | SLM | 41 | 35 | 1.13 | 45 | 4.5 | 82 | 23 | 7.2 | 2.3 | 1 | 3 | 4.4 | 110 | 37 | 6.4 | 4.8 | 100 | 80 | 17 | 16 | 68 | | | |
| DELTAPINE 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEACHVILLE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | SLM | 41 | 35 | 1.14 | 44 | 4.6 | 93 | 22 | 5.5 | 2.6 | 1 | 3 | 4.8 | 103 | 34 | 5.4 | 4.1 | 100 | 70 | 20 | 14 | 58 | | | |
| BRYCOT #4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEACHVILLE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | SLM | 41 | 35 | 1.12 | 46 | 4.6 | 84 | 23 | 6.4 | 2.6 | 2 | 3 | 4.8 | 99 | 34 | 5.7 | 4.3 | 90 | 70 | 16 | 15 | 60 | | | |
| STONEVILLE 213 | | | | | | | | | | | | | | | | | | | | | | | | | |
| MARION | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.13 | 44 | 4.0 | 85 | 23 | 7.2 | 2.0 | 1 | 2 | 4.2 | 106 | 37 | 6.5 | 4.8 | 90 | 70 | 15 | 10 | 64 | | | |
| DELTAPINE 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| OSCEOLA | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | SLM | 41 | 34 | 1.08 | 45 | 4.8 | 83 | 22 | 5.9 | 3.3 | 1 | 3 | 5.5 | 96 | 31 | 5.4 | 4.1 | 100 | 70 | 18 | 14 | 53 | | | |
| STONEVILLE 213 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURRELL | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | LM | 51 | 35 | 1.12 | 46 | 4.6 | 84 | 23 | 6.2 | 5.0 | 3 | 3 | 6.2 | 101 | 34 | 5.6 | 4.3 | 80 | 60 | 39 | 25 | 57 | | | |
| STONEVILLE 213 | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOUISIANA | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAKE PROVIDENCE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.10 | 45 | 4.8 | 88 | 22 | 5.6 | 3.3 | 2 | 3 | 5.2 | 101 | 32 | 5.3 | 3.8 | 90 | 70 | 28 | 26 | 55 | | | |
| STONEVILLE 213 | | | | | | | | | | | | | | | | | | | | | | | | | |

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975 --(Continued)

| Production Area, Classification | | | | Fiber Test Results | | | | | | | | | | Processing Test Results - Carded Yarns | | | | | | | | | |
|---------------------------------|-----------|-------|-----------|--------------------|-----------|------|----------------|-----|------------------|----------------|-----------------|-----|-------------|--|-----|------------|-----|------------------|--------------|--------------|--------------|-------------------|--------------|
| Sample Number | | | | Digital Fibrograph | | Mike | Fiber Strength | | Elon- gat'n 1/8" | S.A. Non- Lint | Color Raw Stock | | P & C Waste | Strength | | Elongation | | Appearance Index | | Imprct'ns | | Spin. Poten- tial | |
| No | Grade | Stple | 2.5% span | Unif. | Zero Gage | | 1/8" Gage | Pct | | | Pct | Gra | | Yel | Lbs | Pct | Lbs | Pct | 22s or 27 tx | 50s or 12 tx | 22s or 27 tx | | 50s or 12 tx |
| SOUTH CENTRAL AREA--(Continued) | | | | | | | | | | | | | | | | | | | | | | | |
| MISSISSIPPI | | | | | | | | | | | | | | | | | | | | | | | |
| COMO | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 34 | 1.05 | 45 | 4.3 | 85 | 23 | 6.0 | 2.9 | 1 | 3 | 5.3 | 100 | 30 | 5.8 | 3.8 | 100 | 70 | 20 | 16 | 52 | |
| EDWARDS | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.10 | 46 | 4.6 | 84 | 22 | 6.1 | 3.3 | 2 | 3 | 5.2 | 95 | 31 | 5.5 | 3.9 | 110 | 70 | 19 | 11 | 55 | |
| GREENWOOD | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | LM PLUS | 50 | 35 | 1.13 | 47 | 5.1 | 94 | 24 | 5.3 | 4.0 | 1 | 2 | 5.9 | 100 | 32 | 4.9 | 3.7 | 90 | 70 | 28 | 20 | 54 | |
| INDIANOLA | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | LM | 51 | 34 | 1.09 | 46 | 4.4 | 94 | 23 | 5.7 | 3.8 | 2 | 3 | 5.9 | 118 | 40 | 6.0 | 4.4 | 110 | 90 | 16 | 15 | 68 | |
| NITTA YUMA | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.10 | 46 | 4.9 | 88 | 24 | 6.0 | 3.2 | 1 | 2 | 5.4 | 104 | 33 | 5.5 | 3.8 | 100 | 80 | 23 | 17 | 54 | |
| PANTHER BURN | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.12 | 45 | 4.5 | 82 | 23 | 6.7 | 3.4 | 1 | 2 | 5.2 | 108 | 37 | 6.5 | 4.3 | 100 | 80 | 24 | 17 | 65 | |
| SCOTT | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.12 | 43 | 4.3 | 83 | 24 | 6.7 | 2.1 | 1 | 2 | 4.9 | 111 | 37 | 6.4 | 4.5 | 110 | 70 | 17 | 14 | 64 | |
| TRIBBETT | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.12 | 46 | 5.1 | 90 | 23 | 5.2 | 3.7 | 2 | 3 | 5.5 | 98 | 29 | 5.4 | 3.7 | 100 | 90 | 12 | 10 | 48 | |
| TRIBBETT | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.13 | 45 | 5.1 | 96 | 22 | 4.9 | 2.5 | 1 | 2 | 5.1 | 95 | 30 | 4.9 | 3.4 | 110 | 80 | 10 | 9 | 53 | |
| MISSOURI | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | BELL CITY | 31 | 34 | 1.04 | 46 | 4.2 | 80 | 21 | 6.7 | 1.8 | 1 | 3 | 3.8 | 98 | 32 | 6.0 | 4.3 | 90 | 70 | 22 | 20 | 57 | |
| COOTER | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.14 | 47 | 4.7 | 83 | 22 | 6.9 | 3.2 | 1 | 2 | 5.2 | 105 | 36 | 6.3 | 4.7 | 110 | 90 | 17 | 17 | 63 | |
| ESSEX | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 34 | 1.09 | 46 | 4.6 | 81 | 21 | 6.6 | 3.4 | 2 | 3 | 5.2 | 92 | 28 | 5.7 | 3.8 | 100 | 70 | 18 | 10 | 52 | |
| SENATH | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 34 | 1.07 | 45 | 4.1 | 82 | 20 | 6.5 | 2.7 | 2 | 3 | 5.6 | 91 | 30 | 5.0 | 4.3 | 110 | 80 | 21 | 14 | 55 | |
| 2 | SLM | 41 | 35 | 1.08 | 44 | 4.1 | 81 | 20 | 6.4 | 2.7 | 2 | 3 | 5.5 | 98 | 29 | 5.9 | 4.1 | 100 | 70 | 16 | 15 | 56 | |

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of--(Continued)

| Production Area, Classification & Sample Number | | | | Fiber Test Results | | | | | | Processing Test Results - Carded Yarns | | | | | | | | | | | | |
|---|-------|-------|-----|--------------------|-------|------|----------------|-----------|------------------|--|-----------------|-----|-------------|--------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|-------------------|
| No | Grade | Stple | 32s | Digital Fibrograph | | Mike | Fiber Strength | | Elon- gat'n 1/8" | S.A. Non- Lint | Color Raw Stock | | P & C Waste | Strength | | Elongation | | Appearance Index | | Imprfect'ns | | Spin. Potent- ial |
| | | | | 2.5% span | Unif. | | Zero | 1/8" Gage | | | Gra | Yel | | 22s or 27 tx | 50s or 12 tx | 22s or 27 tx | 50s or 12 tx | 22s or 27 tx | 50s or 12 tx | 22s or 27 tx | 50s or 12 tx | |
| SOUTH CENTRAL AREA--(Continued) | | | | | | | | | | | | | | | | | | | | | | |
| TENNESSEE | | | | | | | | | | | | | | | | | | | | | | |
| BRADEN | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 35 | 1.07 | 45 | 4.6 | 86 | 22 | 6.4 | 2.2 | 1 | 3 | 4.8 | 105 | 34 | 6.0 | 4.6 | 100 | 80 | 11 | 7 | 56 |
| FLINTVILLE | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SLM | 41 | 34 | 1.04 | 46 | 4.0 | 82 | 22 | 6.4 | 2.8 | 2 | 3 | 5.8 | 104 | 32 | 6.4 | 4.5 | 90 | 70 | 31 | 25 | 58 |
| WEST AREA | | | | | | | | | | | | | | | | | | | | | | |
| CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | |
| BAKERSFIELD | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MID | 31 | 35 | 1.10 | 47 | 4.3 | 92 | 27 | 5.8 | 1.9 | 0 | 3 | 4.2 | 132 | 46 | 5.7 | 4.7 | 100 | 70 | 23 | 18 | 71 |
| BUTTERNWILLOW | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MID | 31 | 35 | 1.12 | 45 | 3.9 | 94 | 28 | 5.7 | 1.9 | 0 | 3 | 4.2 | 127 | 44 | 6.0 | 4.4 | 80 | 70 | 30 | 20 | 68 |
| HANFORD | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MID | 31 | 35 | 1.13 | 45 | 4.0 | 97 | 27 | 5.2 | 2.1 | 1 | 2 | 3.7 | 123 | 45 | 5.4 | 4.4 | 70 | 60 | 37 | 26 | 73 |
| WASCO | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MID | 31 | 35 | 1.11 | 47 | 3.9 | 93 | 27 | 5.6 | 1.9 | 0 | 3 | 4.5 | 132 | 47 | 5.9 | 4.6 | 80 | 60 | 34 | 30 | 75 |

